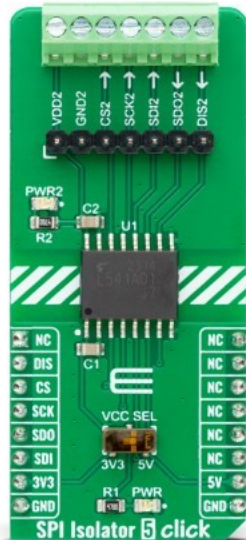


SPI Isolator 5 Click



PID: MIKROE-5179

SPI Isolator 5 Click is a compact add-on board with a digital isolator optimized for a serial peripheral interface. This board features the [DCL541A01](#), a high-speed quad-channel digital isolator from [Toshiba Semiconductor](#). Outstanding performance characteristics of the DCL541A01 are achieved by Toshiba CMOS technology and the magnetic coupling structure. In addition, they comply with UL 1577 safety-related certification, have a withstand voltage rating of 5kVrms, and operate with the external supply voltage ranging from 2.25V to 5.5V, providing compatibility with lower voltage systems enabling voltage translation functionality across the isolation barrier. This Click board™ is suitable for general SPI-bus isolation, industrial automation systems, motor control, inverter, and many other applications.

SPI Isolator 5 Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	Isolators,SPI
Applications	Can be used for general SPI-bus isolation, industrial automation systems, motor control, inverter, and more
On-board modules	DCL541A01 - quad-channel digital isolator from Toshiba Semiconductor
Key Features	High speed, data rate up to 150Mbps, wide supply range, UL1577 safety-related certification, high withstanding voltage, and more
Interface	SPI
ClickID	No
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V,External

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click boards™](#)

Downloads

[SPI Isolator 5 click example on Libstock](#)

[SPI Isolator 5 click schematic](#)

[SPI Isolator 5 click 2D and 3D files](#)

[DCL541A01 datasheet](#)

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).